Math 142 – Spring 2004	NAME:
Quiz #4 15 Sections11.3 -11.4	Seat:
Partial credit is based on work shown!	Scat
2pts 2	
1. If the <u>probability</u> of event E occurring is $\frac{2}{3}$, what are the <u>odds in favor</u> of event E?	
4pts 2. According to a certain publisher's records, 20% of the books published break even (no loss & no profit), 30% lose \$1000, 25% lose \$8,000, and 25% make a profit of \$20,000. What is the expected value (average profit) for a book published by this company?	
3pts3. A state has license plates with three letters followed by four numbers.a. How many license plates can be made that begin with ATW?	
b. <u>How many</u> of these plates have four numbers that are all the same? (For example, ATW 4444)	
c. What is the probability of having a license plate like those described in part b?	
6nto	
6pts4. If a group of 5 students must be chosen from 6 b possible if:	oys and 3 girls, how many different groups are
a. there are no restrictions?	b. there must be 3 boys and 2 girls in the group?